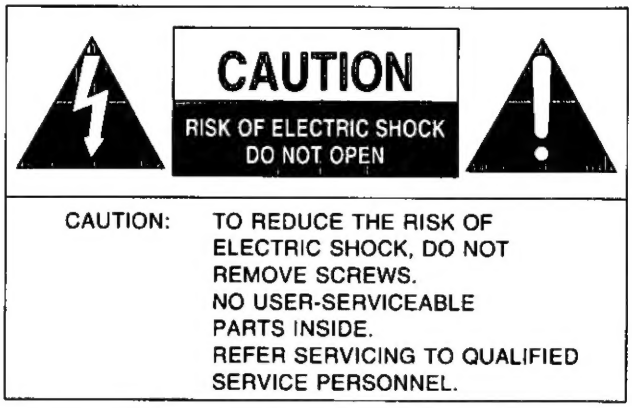
Technics

DIGITAL PIANO

SX-P30



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

BEFORE YOU PLAY, PLEASE READ THE CAUTIONARY COPY APPEARING ON PAGE 2.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The model number of this product is found on the rear of the unit.
The model number and serial number are found underneath the keyboard.
Please note the model and serial numbers in the space provided below and retain this sheet as a permanent record of your purchase to aid identification in the event of theft.

MODEL NUMBER

SERIAL NUMBER

Technics

OWNER'S MANUAL

Before you play

For long and pleasurable use of this instrument, and to gain a thorough understanding of your Digital Piano, it is strongly recommended that you read through this Owner's Manual once.

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Important Safety Instructions

WARNING

When using electric products, basic precautions should always be followed, including the following,

- Read all the instructions before using the product

Safety

- **Power Source**—The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product

- **Polarization**—This product may be equipped with a polarized line plug(one blade wider than the other) This is a safety feature If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet Do not defeat the safety purpose of the plug

- **Periods of Non-use**—The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time

Installation

- **Water and Moisture**—Do not use this product near water—for example, near a bathtub,washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like

- **Cart/Stand**—This product should be used only with a cart or stand that is recommended by the manufacturer

- **Ventilation**—The product should be located so that its location or position does not interfere with its proper ventilation

- **Heat**—The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat

- **Foreign Material**—Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings

Listening caution

This product, either alone or in combination with an amplifier and headphones or speakers may be capable of producing sound levels that could cause permanent hearing loss Do not operate for a long period of time at a high volume level or at a level that is uncomfortable If you experience any hearing loss or ringing in the ears, you should consult an audiologist

Service

- **Damage Requiring Service**—The product should be serviced by qualified service personnel when
  - a The power-supply cord or the plug has been damaged, or
  - b Objects have fallen, or liquid has been spilled onto the product, or
  - c The product has been exposed to rain, or
  - d The product does not appear to operate normally or exhibits a marked change in performance, or
  - e The product has been dropped, or the enclosure damaged

- **Servicing**—Do not attempt to service the product beyond that described in the user-maintenance instructions
  All other servicing should be referred to qualified service personnel

Maintenance

- Be sure to switch this unit off after use, and do not switch the unit on and off in quick succession, as this places an undue load on the electronic components
- To maintain the luster of the keys and buttons, wipe with a clean, damp cloth, and polish with a soft, dry cloth Polish may be used, but do not use thinners or petro-chemical-based polishes
- A wax-based polish may be used on the cabinet, although you will find that rubbing with a soft cloth will suffice

SAVE THESE INSTRUCTIONS

Controls and functions

[Left Side]

DC IN
Connect the included adaptor to this terminal

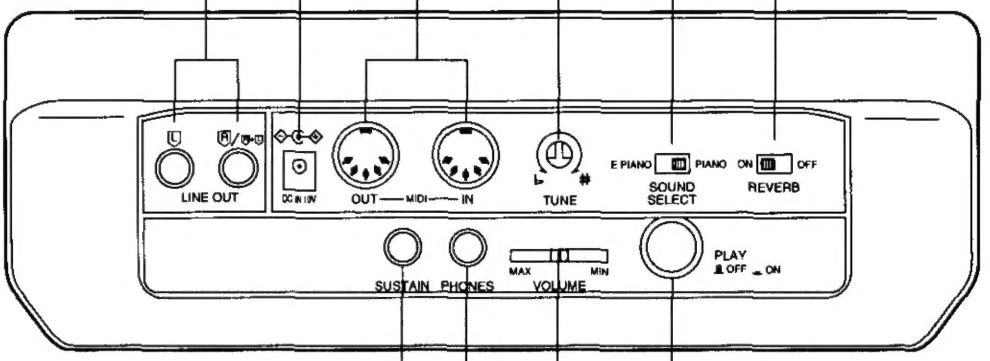
TUNE
Adjust the pitch
(Refer to page 5)

REVERB
Add a reverberation effect to the sound
(Refer to page 5)

Output terminals
You can produce the sound from this instrument on an external speaker amplifier or stereo equipment

MIDI terminals
(Refer to page 6)

SOUND SELECT
Select a sound.
(Refer to page 5)



SUSTAIN terminal

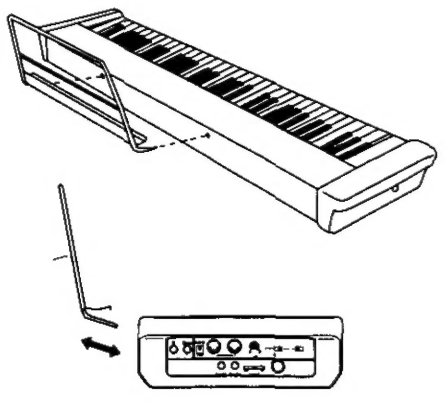
Headphones terminal
Connect the headphones to this terminal

VOLUME
Adjust the volume

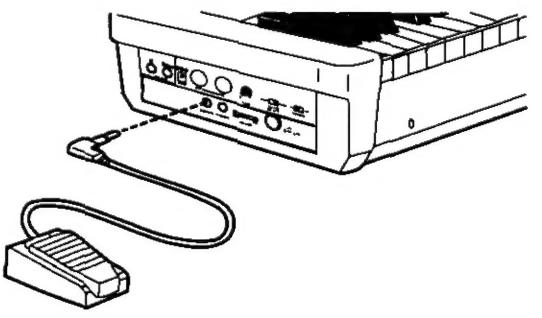
PLAY
The on/off switch for this instrument

Music stand
The music stand should be set and removed in an angled position

- When in use, be sure it is completely inserted

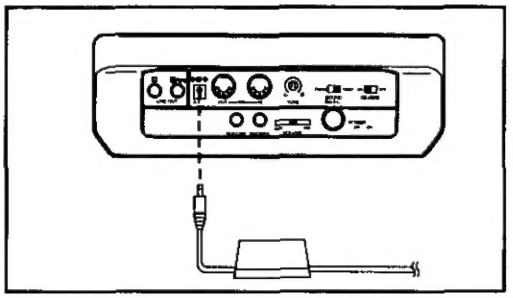


Connection of Sustain Pedal
The supplied sustain pedal can be connected to the **SUSTAIN** terminal of the instrument When you remove your fingers from the keys while the sustain pedal is depressed, the sound lingers and fades out slowly, producing a wonderful resonance



Getting started

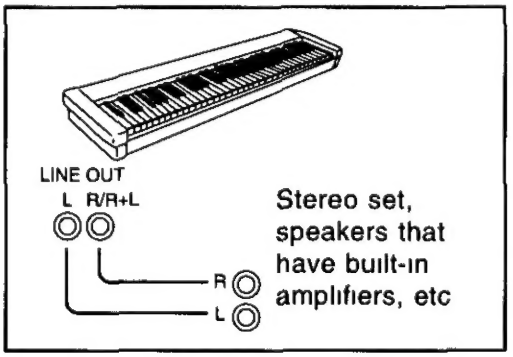
1 Plug the AC adaptor (included) into an outlet



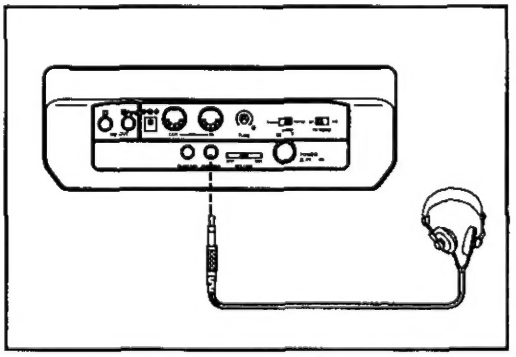
- Connect the connecting plug of the AC adaptor (supplied) to the **DC IN** terminal of the instrument, and the power-supply plug to a wall outlet

2 Connect audio equipment to the piano

- Since this instrument has no built-in speakers, connect a stereo set and/or speakers that have built-in amplifiers
- For monaural sound, connect the cord to the **R/R+L** terminal (Do not connect the cord to the **L** terminal)

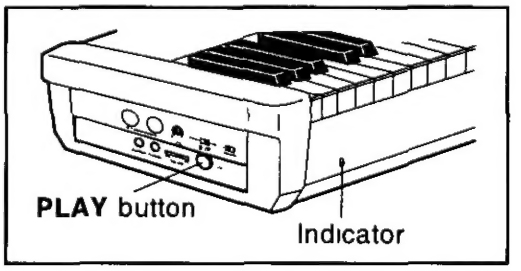


- You can also hear the sound with headphones by connecting them to the **PHONES** terminal



3 Press the **PLAY** button to turn it on

- Press the **PLAY** button of the piano to turn it on, and then turn on the power switch of the connected audio apparatus (When turning off the power supply of the piano, be sure to turn off the power switch of the connected audio apparatus first)



- The indicator lamp at the left on the front of the piano lights up when power is on

Adjust the tuning mode

When the power is turned on, this instrument is tuned like an acoustic piano, that is, the high keys produce slightly higher pitched tones and the lower keys produce slightly lower pitched tones (PIANO TUNING) However, when the power supply is turned on while a black key is pressed, the instrument is tuned evenly over the entire pitch range (EQUAL TEMPERAMENT)

- When the power supply is turned off, the piano returns to the original PIANO TUNING mode

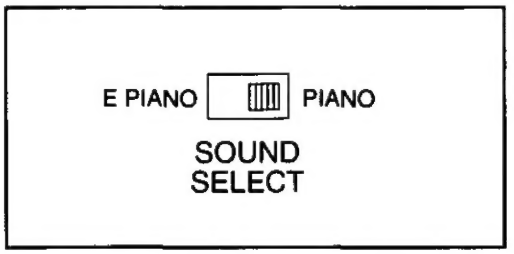
Tuning

Unlike an acoustic piano, your Digital Piano never needs tuning

- The pitch of this instrument can be adjusted when playing along with other instruments

Playing the piano

1 Select the sound

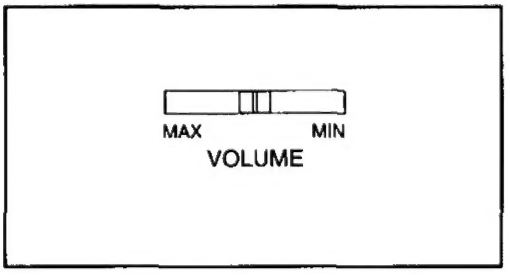


- Set the **SOUND SELECT** button to the **PIANO** or **E PIANO** position according to the desired sound

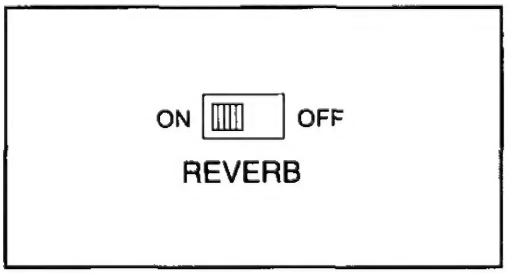
2 Play the keyboard

- Your piano features Touch Response You control the volume by playing the keys harder or softer

3 Set the **VOLUME** to an appropriate level



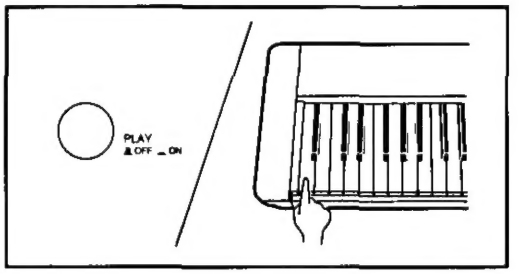
4 Add reverb to the sound



- Set the **REVERB** button to **ON** Set it to **OFF** when **REVERB** is not necessary

Listen to the demonstration.

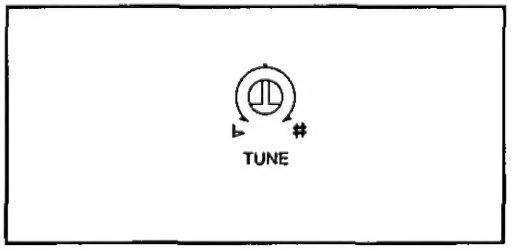
To start the demonstration performance, while pressing the leftmost key, press the **PLAY** button to turn it on Two demonstration tunes are played alternately in succession in the piano and electric piano modes When you press the **PLAY** button again to turn it off, the demonstration performance stops



- The demonstration tunes are repeatedly played in succession until the **PLAY** button is pressed to turn it off
- The demonstration tune of the sound mode selected with the **SOUND SELECT** button is first played
- You can play the keyboard to the demonstration performance in the same sound as the demonstration

Adjust the pitch.

Use the **TUNE** dial to fine-tune the pitch of the instrument for playing and ensemble with other musical instrument
(Adjustable range 427 3 Hz–440 0 Hz–453 0 Hz)

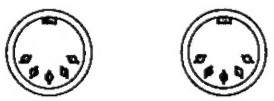


- The central position of the volume is the standard pitch (440 0 Hz)

MIDI

MIDI (Musical Instrument Digital Interface) is the international standard for digital communication of electronic musical instrument data This means that any equipment which has a MIDI terminal—such as electronic musical instruments and personal computers—can easily exchange digital data with other MIDI equipment without resorting to complicated conversions or connections

About the MIDI terminals



OUT — MIDI — IN

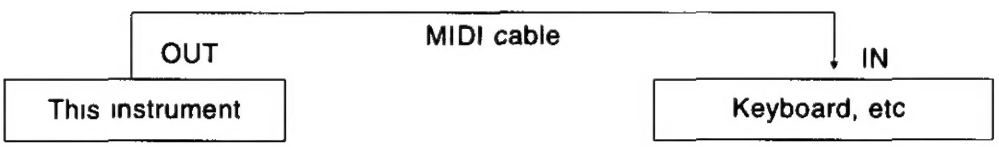
IN The terminal by which this instrument receives data from other equipment

OUT The terminal that transmits data from this instrument to other equipment

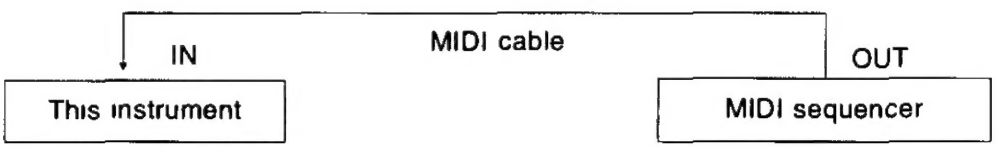
- For these connections, use a commercially available MIDI cable Contact your Technics dealer for more information

Connection examples

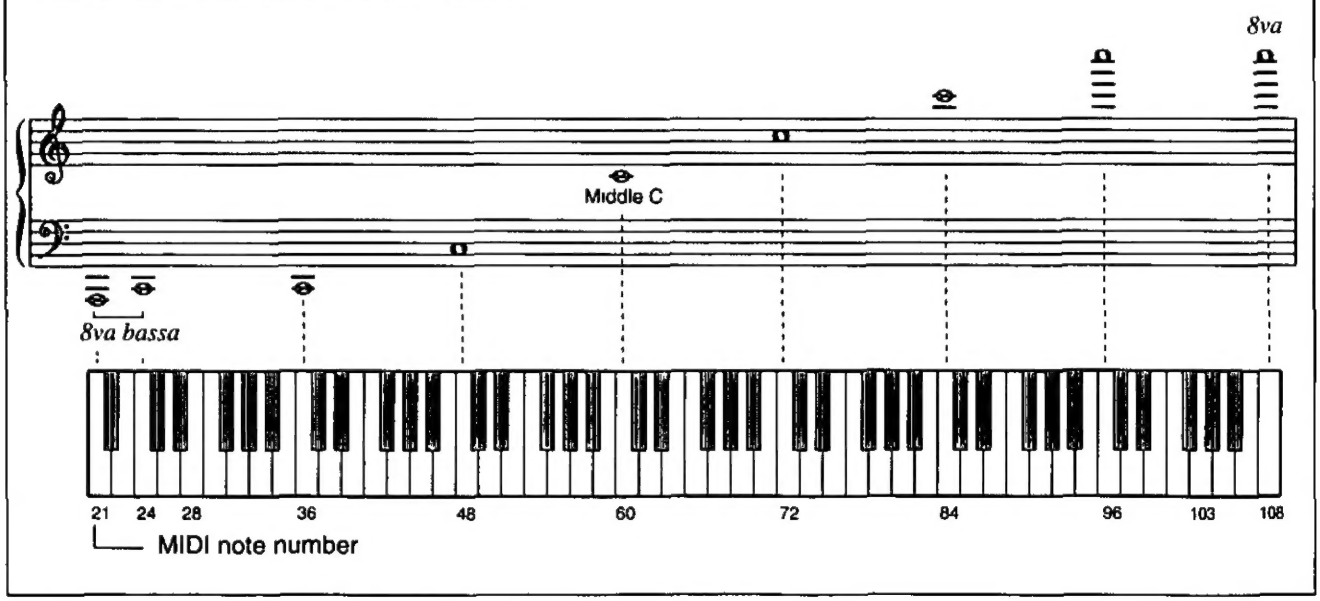
- To generate sound from a connected instrument by playing this instrument



- To play this unit from a connected sequencer



Keyboard and MIDI note number



Setting of MIDI CHANNEL

The instrument is provided with 16 MIDI CHANNELs, 1 to 16, and data can be exchanged only when the channel of the transmitting side matches with that of the receiving

With the power supply turned on, the default channel setting of this piano is MIDI CHANNEL 1 The channel setting can be changed with the following method

The 15 leftmost white keys are assigned MIDI CHANNELs 2 to 16 (as shown in the figure below) To select a MIDI CHANNEL, while pressing the key that is assigned the number of the desired channel, turn on the power

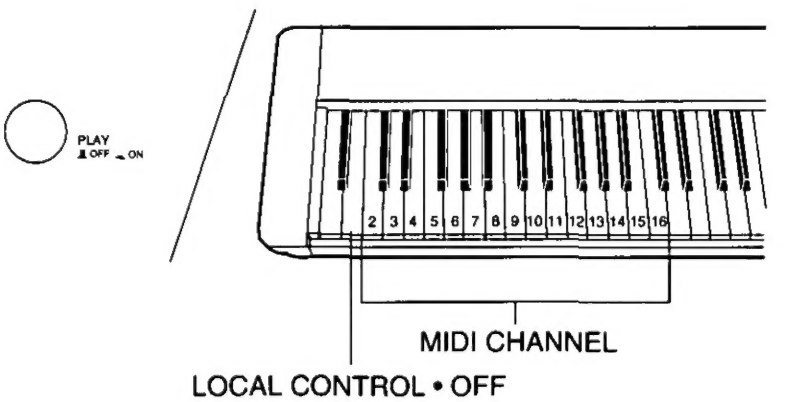
- When the power supply is turned off, the piano returns to the original standard state (MIDI CHANNEL 1)

To turn off the LOCAL CONTROL

For its use as a master keyboard, this piano can be set to the LOCAL CONTROL OFF mode, in which only the MIDI data is transmitted without producing the piano sound when you play on the keyboard

To select the LOCAL CONTROL OFF mode, while pressing the white key next to the leftmost key, turn on the power supply

- When the power supply is turned off, the piano returns to the original standard state (LOCAL CONTROL ON)



Symptoms which appear to be signs of trouble

Phenomenon	Remedy
No sound is produced when the keyboard is played	• Connect the piano to the stereo set or headphones • No sound is produced if the **VOLUME** is set to **MIN** Use the sliding control to set the volume to an appropriate level • If the MIDI LOCAL CONTROL is set to off, set it to on
Data cannot be exchanged through MIDI terminals	• Match the channels on the transmitting side and the receiving side • The MIDI data isn't transmitted during the demonstration performance

MIDI Implementation Chart

Digital piano [SX-P30]

Function		Transmitted	Recognized	Remarks
Basic	Default	1	1	
Channel	Changed	1–16	1–16	
	Default	3	3	
Mode	Messages	×	×	
	Altered	—	—	
Note		21–108	0–127	
Number	True voice	—	0–127	
Velocity	Note ON	○ (9nH V=1–127)	○	
	Note OFF	× (9nH V=0)	×	
After	Key's	×	×	
Touch	Ch's	×	×	
Pitch Bend		×	×	
Control	64	○	○	sustain pedal
Change	67	×	○	soft pedal
Prog		×	×	
Change	True #	—	—	
System Exclusive		×	×	
System	Song Pos	×	×	
	Song Sel	×	×	
Common	Tune	×	×	
System	Clock	×	×	
Real Time	Commands	×	×	
Aux	Local ON/OFF	×	○	
	All Notes OFF	×	○	
Messages	Active Sense	○	○	
	Reset	×	×	
Notes				

Mode 1: OMNI ON, POLY **Mode 2:** OMNI ON, MONO ○ Yes
Mode 3: OMNI OFF, POLY **Mode 4:** OMNI OFF, MONO × No

Specifications

KEYBOARD	88 KEYS (WITH TOUCH RESPONSE)
MAXIMUM NUMBER OF NOTES PRODUCED SIMULTANEOUSLY	32 NOTES (STEREO 16 NOTES)
SOUND	PIANO, E PIANO
REVERB	O (ON/OFF)
CONTROL	VOLUME, TUNE
OTHERS	PLAY, PHONES, DC IN 10 V, SUSTAIN, MIDI IN/OUT, LINE OUT (L, R/R+L)
POWER REQUIREMENT	WITH SY-AD8 AC ADAPTOR AC 120/220/230/240 V 50/60 Hz AC 120 V 60 Hz (NORTH AMERICA AND MEXICO)
DIMENSIONS (W×H×D)	136 5 cm × 10 3 cm × 27 1 cm (WITHOUT MUSIC STAND) (53-3/4" × 4-1/16" × 10-21/32")
NET WEIGHT	17 kg (37 5 lbs)
ACCESSORIES	MUSIC STAND, AC ADAPTOR, SUSTAIN PEDAL

• Design and specifications are subject to change without notice

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